Electronic Filing System (EFS) Data Electronic Patent Application Submission USPTO Use Only

EFS ID:

61560

Application ID:

10709753

Title of Invention:

METHOD AND SYSTEM FOR A VEHICLE

BATTERY TEMPERATURE CONTROL

First Named Inventor:

Douglas Zhu

Domestic/Foreign Application:

Domestic Application

Filing Date:

2004-05-26

Effective Receipt Date:

2004-05-26

Submission Type:

Utility Patent Filing

Filing Type:

new-utility

Confirmation number:

3752

Attorney Docket Number:

81094665 / FMC 1698 PUS

Total Fees Authorized:

850.0

Payment Category:

Deposit Account

Deposit Account Number:

61510

Deposit Account Name:

Frank A. Angileri

RAM Payment Status:

RAM has not been processed

Digital Certificate Holder: cn=Frank A. Angileri,ou=Registered Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S. Government,c=US

Certificate Message Digest: 5624c653180f64d4a15c0e1911be2e786e013617

Subtotal For Additional Fees: \$80

AUTHORIZED BILLING INFORMATION

The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit account number: 061510

Deposit name: Ford Global Technologies, LLC

Deposit authorized name: Frank A. Angileri

Signature:

/s/Frank A. Angileri

Date (YYYYMMDD): 2004-05-26

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

PATENT	APPLICATION	SERIAL	NO.	

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

05/27/2004 HTECKLU1 00000045 061510 10709753

01 FC:1001

770.00 DA

PTO-1556 (5/87)

FOR				·				/	10	13			
Effective October 1, 2003 CLAIMS AS FILED - PART										Applica	ition or	Docket N	lumber
CLAIMS AS FILED - PART I Column 1) (Column 2) TOTAL CLAIMS FOR		PATEN					TION REC	ORD					
COlumn 1 Column 2 SMALL ENTITY FEE GRATE FEE									10	700	7753		
TOTAL CLAIMS FOR NUMBER FILED NUMBER EXTRA TOTAL CHARGEABLE CLAIMS FOR NUMBER FILED NUMBER EXTRA TOTAL CHARGEABLE CLAIMS TOTAL TOTAL CLAIMS TOTAL COlumn 1 is less than zero, enter '0' in column 2 CLAIMS AS AMENDED - PART II (Column 1) COlumn 2) CCUIMN 3 TOTAL			CLAIMS					S	SMALL	ENTITY		ОТН	ER THAN
FOR NUMBER FILED NUMBER EXTRA TOTAL CHARGEABLE CLAIMS	TOTAL CLAVAC				lumn 2)	ד ר	YPE		. 0				
TOTAL CHARGEABLE CLAIMS NOTHER PRESENT	TOTAL CLAIMS			1/2	10				RATE	FE		RATE	FEE
INDEPENDENT CLAIMS MULTIPLE DEPENDENT CLAIM PRESENT	FOR			NUMBI	NUMBER FILED		NUMBER EXTRA		BASIC F	EE 385.	00 01	R BASIC FI	FE 770.00
NDEPENDENT CLAIMS	T	OTAL CHARG	EABLE CLAIMS	801	80 minus 20=				XS 9=		OF	X\$18=	
### AUDITIPLE DEPENDENT CLAIM PRESENT If the difference in column 1 is less than zero, enter '0' in column 2	IN	DEPENDENT	CLAIMS	3	3 minus 3 =				X43=			Yes	
TOTAL CLAIMS AS AMENDED - PART II (Column 1) (Column 2) (Column 3) CLAIMS AS AMENDED - PART II (Column 2) (Column 3) CLAIMS AS AMENDED - PART II (Column 3) CLAIMS AS AMENDED - PART II (Column 3) CLAIMS AS AMENDED - PART II (Column 3) CLAIMS AFTER PREVIOUSLY PARD FOR PRESENT TONAL FEE PARD FOR PRESENT TONAL FEE PARD FOR PRESENT PRESENT PRESENTATION OF MULTIPLE DEPENDENT CLAIM If the entity in column 1 is less than the entity in column 2, write "O' in column 3 is less than the entity in column 2, write "O' in column 3 is less than the entity in column 2 and entity and the previously Pard For in This SPACE is less than 20 entity 20 to 10 to	М	ULTIPLE DEPI	ENDENT CLAIM	PRESENT				1			10,		
CLAIMS AS AMENDED - PART II (Column 1) (Column 2) (Column 3) CLAIMS HIGHEST PRESENT PRES	1	f the difference	ce in column 1 i	s less than	zero enter	"0" in	column 2	Ļ	· · · · · ·		OF	+290=	
Column 1 Column 2 Column 3 SMALL ENTITY OR SMALL ENTIT							COIGHIII Z	,	TOTAL		OF	TOTAL	770
REMAINING AFTER PREVIOUSLY PAID FOR AMENDMENT PAID FOR AMENDMENT PAID FOR AMENDMENT PAID FOR AMENDMENT PREVIOUSLY PAID FOR AMENDMENT PAID FOR AMENDMENT PREVIOUSLY PAID FOR AMENDMENT PAID FOR A			<u>_</u>				(Column 2)	9	SMALL	FNTITY	'		
Total	A		CLAIMS		HIGHE	ST					_	JUNE	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +145= OR +290= TOTAL OR ADDIT. FEE OR ADDIT. F		Ú	AFTER		PREVIO	USLY			RATE	TIONA		RATE	TIONAL
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +145= OR +290= TOTAL OR ADDIT. FEE OR ADDIT. F	DME	Total	*	Minus		UH			Y\$ Q_	FEE	-	V\$10-	FEE
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	MEN	Independent	*	Minus	***		 		•	-	OR		
(Column 1) (Column 2) (Column 3) CLAIMS REMAINING AFTER AMENDMENT PREVIOUSLY PAID FOR Independent (Column 1) (Column 2) (Column 3) RESENTATION OF MULTIPLE DEPENDENT CLAIM (Column 1) (Column 2) (Column 3) CLAIMS REMAINING AFTER AMENDMENT RATE RATE RATE RATE RATE RATE RATE RAT	A	FIRST PRES	ENTATION OF M	IULTIPLE DE	EPENDENT (CLAIM			X43≃		OR	X86=	
(Column 1) (Column 2) (Column 3) REMAINING REMAINING AFTER PREVIOUSLY PAID FOR PREVIOUSLY PAID FOR TOTAL OR ADDIT. FEE Total Minus								+	145=		OR	+290=	
Column 1) (Column 2) (Column 3) CLAIMS REMAINING AFTER AMENDMENT PREVIOUSLY PAID FOR AFTER AMENDMENT PREVIOUSLY PAID FOR PREVIOUS PAID FOR AFTER AMENDMENT PREVIOUS PAID FOR PREVIOUS PAID FOR AFTER AMENDMENT PREVIOUS PAID FOR AFTER AMENDMENT PREVIOUS PAID FOR AFTER AMENDMENT PREVIOUS PAID FOR TOTAL TOTAL TOTAL FEE TOWN AMENDMENT PREVIOUS PAID FOR TOTAL TOTAL TOTAL TOTAL TOTAL FEE TOWN AMENDMENT PREVIOUS PAID FOR TOTAL TO		\						ADI		•	OR		
REMAINING AFTER AMENDMENT PREVIOUSLY PAID FOR PRESENT EXTRA Total							(Column 3)						
Total	8		REMAINING		NUMBE	R	PRESENT			L .	7 1		ADDI-
Total	JEN I			·			EXTRA		RATE 	_		RATE	TIONAL FEE
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +145=	NON	Total	•	Minus	••		=	X	\$ 9=		OR	X\$18=	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM +145=	AME	· · · · · · · · · · · · · · · · · · ·	•				=	X	43=	•	1 1	X86=	
(Column 1) (Column 2) (Column 3) CLAIMS REMAINING AFTER AMENDMENT TOTAL ADDIT. FEE OR ADDIT. FEE RATE TIONAL FEE TOTAL ADDIT. FEE RATE TIONAL FEE X\$ 9= X\$ 18= X\$ 9= X\$ 18= X\$ 18= OR TOTAL ADDIT. FEE ADDIT. FEE ADDIT. FEE OR TOTAL ADDIT. FEE ADDIT. FEE ADDIT. FEE OR TOTAL TOTAL ADDIT. FEE TIONAL FEE TIONAL FEE TIONAL FEE TIONAL FEE TOTAL ADDIT. FEE TOTAL ADDIT. FEE ADDIT. FEE ADDIT. FEE ADDIT. FEE ADDIT. FEE ADDIT. FEE TOTAL ADDIT. FEE ADDIT. FEE ADDIT. FEE TOTAL ADDIT. FEE ADDIT. FEE		FIRST PRESE	NTATION OF MU	JLTIPLE DEI	PENDENT C	LAIM		-	<u> </u>		104		
(Column 1) (Column 2) (Column 3) CLAIMS REMAINING AFTER AMENDMENT Total Independent Minus											OR		•
CLAIMS REMAINING AFTER AMENDMENT Total Independent Minus Minu				•							OR A		
REMAINING AFTER AMENDMENT PREVIOUSLY PAID FOR PREVIOUSLY PAID FOR FEE Total * Minus *** = X\$ 9= OR X\$18= Independent * Minus *** = X43= OR X86= If the entry in column 1 is less than the entry in column 2, write '0' in column 3. If the "Highest Number Previously Paid For' IN THIS SPACE is less than 20 enter '20."							(Column 3)	•					·
Total		`	REMAINING		NUMBER	٦				_		247	•
Independent				·			EXTRA	HA	41E	_		HATE	
Independent Minus TABLE Minus	_	Total	*	Minus	**		=	X\$	9=		OR	X\$18=	
If the entry in column 1 is less than the entry in column 2, write "0" in column 3. If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." TOTAL OR TOTAL OR TOTAL	· -						=	X	3=			Y86-	
If the entry in column 1 is less than the entry in column 2, write "0" in column 3. If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." TOTAL TOTAL OR TOTAL	_ F	IRST PRESEN	NTATION OF MU	LTIPLE DEP	ENDENT CL	AIM					OR	₩	-
"If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20 enter "20"	if t	he entry in colum	IN 1 is less than the	entry in entry	ma O weke *0*	in colum	no 2	+14	15=		OR	+290=	
THUR DIGHEST NUMBER PRODUCT PART HAT IN THIS COACE IS THE MAN OF THE PART OF T	~ H f	ne "Highest Num	iber Previously Pak	for in this	SPACE is les	s than 2	20 enter *20 *				OR AL	TOTAL DIT. FEE	
**If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3." The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	Th	e "Highest Numb	per Previously Paid	For (Total or	Independent) i	is the h	उ. स्तारा उ. ghest number fo	ound in (the appr	opriate box		•	